

## Misty(R) Surface Disinfectant

Version 1.1

Revision Date 05/31/2015

Print Date 06/11/2015

### SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Material name : Misty(R) Surface Disinfectant

EPA ID Number: 33176-5-10807

Material number : 00000000001001788

#### Manufacturer or supplier's details

Company : Amrep, Inc.

Address : 990 Industrial Park Drive  
Marietta, GA 30062

Telephone : 404-352-1680

#### Emergency telephone numbers

|                                       |  |
|---------------------------------------|--|
| <b>For SDS Information</b>            | : Compliance Services 1-877-428-9937   |
| <b>For a Medical Emergency</b>        | : 877-541-2016 Toll Free - All Calls Recorded  |
| <b>For a Transportation Emergency</b> | : CHEMTREC: 800-424-9300 - All Calls Recorded.<br>In the District of Columbia 202-483-7616 |

### SECTION 2. HAZARDS IDENTIFICATION

#### Emergency Overview

|            |                                    |
|------------|------------------------------------|
| Appearance | Aerosol containing a liquefied gas |
| Colour     | clear, colourless                  |
| Odour      | odourized                          |

#### GHS Classification

Flammable aerosols : Category 2  
 Gases under pressure : Liquefied gas  
 Eye irritation : Category 2A

#### GHS Label element

Hazard pictograms :



Signal word : Warning

Hazard statements : H223 Flammable aerosol.  
 H280 Contains gas under pressure; may explode if heated.  
 H319 Causes serious eye irritation.

Precautionary statements : **Prevention:**  
 P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.  
 P211 Do not spray on an open flame or other ignition source.  
 P251 Pressurized container: Do not pierce or burn, even after

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use.

P264 Wash skin thoroughly after handling.

P280 Wear eye protection/ face protection.

**Response:**

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337 + P313 If eye irritation persists: Get medical advice/ attention.

**Storage:**

P410 + P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/ 122 °F.

**Disposal:**

P501 Dispose of contents/container in accordance with local regulation.

### Potential Health Effects

#### Carcinogenicity:

**IARC**

No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

**ACGIH**

No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

**OSHA**

No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

**NTP**

No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance / Mixture : Mixture

#### Hazardous components

| Chemical Name  | CAS-No.   | Concentration [%] |
|----------------|-----------|-------------------|
| ethanol        | 64-17-5   | >= 30 - < 50      |
| butane         | 106-97-8  | >= 10 - < 20      |
| propane        | 74-98-6   | >= 1 - < 5        |
| propan-2-ol    | 67-63-0   | >= 1 - < 5        |
| sodium nitrite | 7632-00-0 | >= 0.1 - < 1      |

## SECTION 4. FIRST AID MEASURES

General advice : Move out of dangerous area.  
Show this safety data sheet to the doctor in attendance.  
Do not leave the victim unattended.

If inhaled : If unconscious place in recovery position and seek medical advice.

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- If symptoms persist, call a physician.
- In case of skin contact : If on clothes, remove clothes.  
If symptoms persist, call a physician.  
Call a physician if irritation persists.  
Wash off immediately with plenty of water for at least 15 minutes.
- In case of eye contact : If in eyes, rinse with water for 15 minutes.  
Remove contact lenses.  
Protect unharmed eye.  
Keep eye wide open while rinsing.  
If eye irritation persists, consult a specialist.
- If swallowed : Keep respiratory tract clear.  
DO NOT induce vomiting unless directed to do so by a physician or poison control center.  
Never give anything by mouth to an unconscious person.  
If symptoms persist, call a physician.
- 

**SECTION 5. FIREFIGHTING MEASURES**

- Suitable extinguishing media : Alcohol-resistant foam  
Carbon dioxide (CO<sub>2</sub>)  
Dry chemical  
Water spray jet
- Unsuitable extinguishing media : High volume water jet
- Specific hazards during firefighting : Do not allow run-off from fire fighting to enter drains or water courses.
- Hazardous combustion products : Carbon dioxide (CO<sub>2</sub>)  
Carbon monoxide  
Smoke
- Specific extinguishing methods : Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
- Further information : Collect contaminated fire extinguishing water separately. This must not be discharged into drains.  
Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.  
For safety reasons in case of fire, cans should be stored separately in closed containments.  
Use a water spray to cool fully closed containers.
- Special protective equipment for firefighters : Wear self-contained breathing apparatus for firefighting if necessary.
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**SECTION 6. ACCIDENTAL RELEASE MEASURES**

- Personal precautions, protective equipment and : Use personal protective equipment.  
Ensure adequate ventilation.
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|---|--|
| emergency procedures                                  | Remove all sources of ignition.<br>Evacuate personnel to safe areas.<br>Beware of vapours accumulating to form explosive concentrations. Vapours can accumulate in low areas.              |
| Environmental precautions                             | : Prevent product from entering drains.<br>Prevent further leakage or spillage if safe to do so.<br>If the product contaminates rivers and lakes or drains inform respective authorities.  |
| Methods and materials for containment and cleaning up | : Sweep up or vacuum up spillage and collect in suitable container for disposal.<br>Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). |

### SECTION 7. HANDLING AND STORAGE

|                             |   |
|-----------------------------|---|
| Advice on safe handling     | : Do not breathe vapours or spray mist.<br>Avoid contact with skin and eyes.<br>For personal protection see section 8.<br>Smoking, eating and drinking should be prohibited in the application area.<br>Take precautionary measures against static discharges.<br>Provide sufficient air exchange and/or exhaust in work rooms.<br>Open drum carefully as content may be under pressure.<br>Dispose of rinse water in accordance with local and national regulations.<br>Always replace cap after use.  |
| Conditions for safe storage | : BEWARE: Aerosol is pressurized. Keep away from direct sun exposure and temperatures over 50 °C. Do not open by force or throw into fire even after use. Do not spray on flames or red-hot objects.<br>No smoking.<br>Keep in a dry, cool and well-ventilated place.<br>Containers which are opened must be carefully resealed and kept upright to prevent leakage.<br>Observe label precautions.<br>Electrical installations / working materials must comply with the technological safety standards. |
| Materials to avoid          | : Oxidizing agents  |

### SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Components with workplace control parameters

| Components | CAS-No. | Value type (Form of exposure) | Control parameters / Permissible concentration | Basis     |
|------------|---------|-------------------------------|--|-----------|
| ethanol    | 64-17-5 | TWA                           | 1,000 ppm                                      | ACGIH     |
|            |         | TWA                           | 1,000 ppm                                      | NIOSH REL |

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|             |          |      |                          |           |
|-------------|----------|------|--------------------------|-----------|
|             |          |      | 1,900 mg/m3              |           |
|             |          | TWA  | 1,000 ppm<br>1,900 mg/m3 | OSHA Z-1  |
|             |          | TWA  | 1,000 ppm<br>1,900 mg/m3 | OSHA P0   |
| butane      | 106-97-8 | TWA  | 800 ppm<br>1,900 mg/m3   | NIOSH REL |
|             |          | TWA  | 800 ppm<br>1,900 mg/m3   | OSHA P0   |
| propane     | 74-98-6  | TWA  | 1,000 ppm                | ACGIH     |
|             |          | TWA  | 1,000 ppm<br>1,800 mg/m3 | NIOSH REL |
|             |          | TWA  | 1,000 ppm<br>1,800 mg/m3 | OSHA Z-1  |
|             |          | TWA  | 1,000 ppm<br>1,800 mg/m3 | OSHA P0   |
| propan-2-ol | 67-63-0  | TWA  | 200 ppm                  | ACGIH     |
|             |          | STEL | 400 ppm                  | ACGIH     |
|             |          | TWA  | 400 ppm<br>980 mg/m3     | NIOSH REL |
|             |          | ST   | 500 ppm<br>1,225 mg/m3   | NIOSH REL |
|             |          | TWA  | 400 ppm<br>980 mg/m3     | OSHA Z-1  |
|             |          | TWA  | 400 ppm<br>980 mg/m3     | OSHA P0   |
|             |          | STEL | 500 ppm<br>1,225 mg/m3   | OSHA P0   |

## Biological occupational exposure limits

| Component   | CAS-No. | Control parameters | Biological specimen | Sampling time                   | Permissible concentration | Basis     |
|-------------|---------|--------------------|---------------------|---------------------------------|---------------------------|-----------|
| PROPAN-2-OL | 67-63-0 | Acetone            | Urine               | End of shift at end of workweek | 40 mg/l                   | ACGIH BEI |

## Personal protective equipment

Respiratory protection : In case of insufficient ventilation, wear suitable respiratory equipment.  
Use respiratory protection unless adequate local exhaust ventilation is provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines.

Hand protection  
Remarks : The suitability for a specific workplace should be discussed with the producers of the protective gloves.

Eye protection : Ensure that eyewash stations and safety showers are close to the workstation location.  
Tightly fitting safety goggles

Skin and body protection : impervious clothing  
Choose body protection according to the amount and

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concentration of the dangerous substance at the work place.

Hygiene measures : When using do not eat or drink.  
When using do not smoke.  
Wash hands before breaks and at the end of workday.

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**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

Appearance : Aerosol containing a liquefied gas

Colour : clear, colourless

Odour : odourized

Odour Threshold : no data available

pH : no data available

Melting point/freezing point : no data available

Boiling point : not applicable

Flash point :  
not applicable

Evaporation rate : no data available

Flammability (solid, gas) : Flammable aerosol.

Upper explosion limit : no data available

Lower explosion limit : no data available

Vapour pressure : not applicable

Density : no data available

Solubility(ies)

Water solubility : soluble

Partition coefficient: n-octanol/water : no data available

Auto-ignition temperature : not determined

Thermal decomposition : no data available

Viscosity

Viscosity, kinematic : no data available

Heat of combustion : 24.21 kJ/g

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**SECTION 10. STABILITY AND REACTIVITY**

Reactivity : Stable

Chemical stability : Stable under normal conditions.

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|                                    |   |
|------------------------------------|---|
| Possibility of hazardous reactions | : No decomposition if stored and applied as directed.<br>Vapours may form explosive mixture with air. |
| Conditions to avoid                | : Heat, flames and sparks.<br>Extremes of temperature and direct sunlight.                            |
| Incompatible materials             | : Oxidizing agents<br>Ammonium salts<br>Reducing agents   |
| Hazardous decomposition products   | : Carbon oxides   |

**SECTION 11. TOXICOLOGICAL INFORMATION****Acute toxicity****Product:**

Acute oral toxicity : Acute toxicity estimate : > 5,000 mg/kg  
Method: Calculation method

**Components:****ethanol:**

Acute oral toxicity : LD50 Oral rat: 7,060 mg/kg  
Acute inhalation toxicity : LC50 rat: 124.7 mg/l  
Exposure time: 4 h

**butane:**

Acute inhalation toxicity : LC50 mouse: 1,237 mg/l  
Exposure time: 2 h  
LC50 rat: 1,355 mg/l

**propane:**

Acute inhalation toxicity : LC50 mouse: 1,237 mg/l  
Exposure time: 2 h  
LC50 rat: 658 mg/l  
Exposure time: 4 h  
LC50 rat: 1,355 mg/l

**propan-2-ol:**

Acute oral toxicity : LD50 Oral rat: 4,396 mg/kg  
Method: Calculation method

**Skin corrosion/irritation****Product:**

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Remarks: May cause skin irritation in susceptible persons.

**Serious eye damage/eye irritation**

**Product:**

Remarks: Severe eye irritation

**Respiratory or skin sensitisation**

no data available

**Germ cell mutagenicity**

no data available

**Carcinogenicity**

no data available

**Reproductive toxicity**

no data available

- ethanol:**
- butane:**
- propane:**
- propan-2-ol:**
- sodium nitrite:**

**STOT - single exposure**

no data available

**STOT - repeated exposure**

no data available

**Aspiration toxicity**

no data available

**Further information**

**Product:**

Remarks: no data available

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**SECTION 12. ECOLOGICAL INFORMATION**

**Ecotoxicity**

no data available

**Persistence and degradability**

no data available

**Bioaccumulative potential**

**Product:**

Partition coefficient: n- : Remarks: no data available



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octanol/water

**Components:****butane :**

|  |             |
|--|-------------|
| Partition coefficient: n-octanol/water | : Pow: 2.89 |
|--|-------------|

**Mobility in soil**

no data available

**Other adverse effects**

no data available

**Product:**

|                                   |   |
|-----------------------------------|---|
| Regulation                        | 40 CFR Protection of Environment; Part 82 Protection of Stratospheric Ozone - CAA Section 602 Class I Substances  |
| Remarks                           | This product neither contains, nor was manufactured with a Class I or Class II ODS as defined by the U.S. Clean Air Act Section 602 (40 CFR 82, Subpt. A, App.A + B). |
| Additional ecological information | : An environmental hazard cannot be excluded in the event of unprofessional handling or disposal., Harmful to aquatic life.   |

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### SECTION 13. DISPOSAL CONSIDERATIONS

**Disposal methods**

|                        |  |
|------------------------|--|
| Waste from residues    | : The product should not be allowed to enter drains, water courses or the soil.<br>Do not contaminate ponds, waterways or ditches with chemical or used container.<br>Dispose of in accordance with local regulations. |
| Contaminated packaging | : Empty remaining contents.<br>Dispose of as unused product.<br>Do not re-use empty containers.<br>Do not burn, or use a cutting torch on, the empty drum.   |

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### SECTION 14. TRANSPORT INFORMATION

|   |
|---|
| Transportation Regulation: 49 CFR (USA):<br>ORM-D, CONSUMER COMMODITY |
|---|

|  |
|--|
| Transportation Regulation: IMDG (Vessel):<br>UN1950, AEROSOLS, 2.1, - Limited quantity |
|--|

|  |
|--|
| Transportation Regulation: IATA (Cargo Air):<br>UN1950, Aerosols, flammable, 2.1, - Limited quantity |
|--|

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Transportation Regulation: IATA (Passenger Air):  
UN1950, Aerosols, flammable, 2.1, - Limited quantity

Transportation Regulation: TDG (Canada):  
UN1950, AEROSOLS, 2.1, - Limited quantity

### SECTION 15. REGULATORY INFORMATION

This product is regulated under the United States Federal Insecticide, Fungicide and Rodenticide Act (FIFRA).

#### Pesticide Labeling Information Required Under U.S. FIFRA Regulations

This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. Following is the hazard information as required on the pesticide label:

#### CAUTION

Harmful if inhaled.

Causes moderate eye irritation.

#### EPCRA - Emergency Planning and Community Right-to-Know Act

##### CERCLA Reportable Quantity

| Components     | CAS-No.   | Component RQ (lbs) | Calculated product RQ (lbs) |
|----------------|-----------|--------------------|-----------------------------|
| sodium nitrite | 7632-00-0 | 100                | *                           |

\*: Calculated RQ exceeds reasonably attainable upper limit.

##### SARA 304 Extremely Hazardous Substances Reportable Quantity

| Components         | CAS-No.   | Component RQ (lbs) | Calculated product RQ (lbs) |
|--------------------|-----------|--------------------|-----------------------------|
| ammonia, anhydrous | 7664-41-7 | 100                | *                           |

\*: Calculated RQ exceeds reasonably attainable upper limit.

**SARA 311/312 Hazards** : Fire Hazard  
Sudden Release of Pressure Hazard  
Acute Health Hazard

**SARA 302** : SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

**SARA 313** : SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

**California Prop 65** WARNING! This product contains a chemical known to the State of California to cause cancer.

biphenyl-2-ol

90-43-7

The components of this product are reported in the following inventories:

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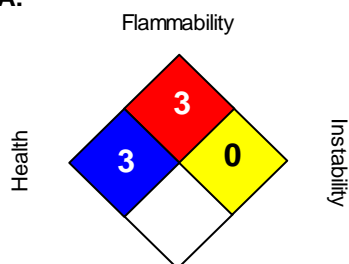
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|              |  |
|--------------|--|
| <b>TSCA</b>  | On TSCA Inventory  |
| <b>DSL</b>   | This product contains one or several components that are not on the Canadian DSL nor NDSL. |
| <b>AICS</b>  | Not in compliance with the inventory   |
| <b>NZIoC</b> | Not in compliance with the inventory   |
| <b>PICCS</b> | Not in compliance with the inventory   |
| <b>IECSC</b> | Not in compliance with the inventory   |

**Inventory Acronym and Validity Area Legend:**

AICS (Australia), DSL (Canada), IECSC (China), REACH (European Union), ENCS (Japan), ISHL (Japan), KECI (Korea), NZIoC (New Zealand), PICCS (Philippines), TSCA (USA)

**SECTION 16. OTHER INFORMATION****Further information****NFPA:****HMIS III:**

|                        |          |
|------------------------|----------|
| <b>HEALTH</b>          | <b>3</b> |
| <b>FLAMMABILITY</b>    | <b>3</b> |
| <b>PHYSICAL HAZARD</b> | <b>2</b> |

0 = not significant, 1 = Slight,  
2 = Moderate, 3 = High  
4 = Extreme, \* = Chronic

**OSHA GHS Label Information:**

Hazard pictograms



Signal word

Hazard statements

Precautionary statements

**Warning:**  
Flammable aerosol. Contains gas under pressure; may explode if heated. Causes serious eye irritation.

**Prevention:** Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not spray on an open flame or other ignition source. Pressurized container: Do not pierce or burn, even after use. Wash skin thoroughly after handling. Wear eye protection/ face protection.

**Response:** IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/ attention.

**Storage:** Protect from sunlight. Do not expose to temperatures exceeding 50 °C/ 122 °F.

**Disposal:** Dispose of contents/container in accordance with local regulation.

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